or Three Degrees out of the Level, I ſhall not trouble myſelf or others about it; only further obſerve, that when Grounds are declining much, and very uneven, if the Table ſtands horizontal, unleſs the Sight or Mark on the lower Part is ſo high as its Top makes a Level with the upper Part of the Table, which is ſeldom done, or practicable, I do not ſee why ſuch a Streſs ſhould be laid on the Inſtrument's being level, when neither the View by the Index, nor the Meaſure of the Line, either can be, or is taken horizontally: If the Sight of the Index ſtand nearly perpendicular at every Obſervation, it is more than ſufficient for any Exactneſs requiſite in a Survey.

II. *A Letter from* Richard Richardſon, *M. D. and* F. R. S. *to Sir* Hans Sloane, *Pr.* R. S. *&c. incloſing a Paper from* William Wright, *Surgeon, concerning a large Piece of the* Thigh-bone, *which was taken out, and its Place ſupplied by a* Callus.

SIR,

I Take this Opportunity of inquiring after your Health by my Son, who waits upon you with the incloſed, and Part of the *Os Femoris* accompanying it [ſee TAB. I. Fig. 6.]. As the Caſe appeared to me ſomething remarkable, I thought proper to communicate it to you. It was drawn up by Mr. *Wright*, a Surgeon, in *Bradford*, in the Weſt-Riding of this County, who performed the Cure; and a few Days ago,

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ago, for my Satisfaction, brought the Perſon hither, who that Day had walked Nine Miles before Noon. I examined the Part where the Bone was taken out, which is on the Inſide of the Thigh, about Four Inches above the Knee; and found the Thigh quite ſtrait, but rather thicker than the other, where the *Callus* ſupplies the Defect of the Bone taken out. He appears to be very well and healthy, and makes no Complaint of any Weakneſs, or Uneaſineſs, in the Part; neither is he in the leaſt lame. He brought the Bone, which I herewith ſend, ſome time ago, and, at my Requeſt, drew up the Caſe: You may make what Uſe of it you pleaſe: I really believe the Contents to be true; and ſhall be glad of all Opportunities of obliging you: If any thing farther occurs to me worth your Notice, you may be ſure I ſhall give you an Account of it. I find a Caſe of this kind in *Ruyſch's Muſeum Anatomicum, Pag.* 172. but he gives no Account of the Cure; neither is it ſo extraordinary in itſelf, as it is only Part of the *Os Tibiæ* which is ſeparated; and this which I ſend you, appears to me to be the whole Subſtance of the Bone, except what was eat away before it was taken out.

Your very humble Servant,

Bierley, Jan. 16. 1739-40.

Richard Richardſon.

SIR,

THIS Bone is Part of the *Os Femoris*, taken out of a young Man's Thigh, *viz.* 20 Years old, about the latter End of *March* 1738. His Name is *Hird Ramſden*, he lives at a Place called *Braithwait*, near *Kighley*. His Lameneſs was occaſioned by a Fever,

Fever, which was tranſlated into his Thigh, where it impoſtumated, and was afterwards opened; but, not healing again, left Three or Four carious or fiſtulous Ulcers, which diſcharged a great Quantity of *Sanies*, and fetid Matter. In this Condition he had been Six or Seven Years, before I was concerned for him, and was looked on as incurable; this continual Diſcharge had reduced him almoſt to a Skeleton. I examined his Ulcers with my Probe, and found in one of them, which was on the Inſide of his Thigh, a rotten Bone: I dilated the Orifice with *Gentian* and Sponge Tents, and afterwards I laid it open about Three or Four Inches: I then dreſſed it with *Tincture* of *Myrrh*, and Doſſils of dry Lint; and at every Dreſſing, over the carious Bone the Powder of *Rad. Ariſtot. Myrrh*, and *Euphorb.* in order to promote Exfoliation: With theſe Applications the Bone began to looſen, which looked much larger than I expected. I was afraid of making another Inciſion becauſe of the Crural Artery, which lay very near the Place where the Bone was taken out: I therefore choſe rather to do it gradually by dilating the Orifice, than run the Riſque of another Inciſion. The ſame Dreſſing was continued, and the ſpongy Fleſh kept down with the Powder of *Mercur. præcipit. rub. & Alum. Uſt.* $\overline{aa}$. At every Dreſſing I raiſed the Bone with a hooked Inſtrument, and in about Four Months time I got it quite out. The Cavity was afterwards kept open for ſome time, with Doſſils of dry Lint, to make way for ſome looſe Pieces that were left behind. The Ulcer, after it was well digeſted, healed up in a little time. During this time his Knee was very much contracted, which was afterwards extended

by the Uſe of emollient Fomentations. He now is perfectly ſound, and in a good State of Health, walks ſtrait, and his Thigh is not any ſhorter than the other. This is the true State of the Caſe. I am,

SIR,

Bradford, Jan. 15. 1739. *Your humble Servant*,

William Wright.

III. *An Account of a monſtrous* Fœtus, *reſembling a hooded* Monkey: *Communicated by Mr.* William Gregory *of* Rocheſter.

A Woman, aged 44, of an athletic Body, conceived with Child a little before *Chriſtmas* 1730. upon which enſued all the uſual Symptoms of Pregnancy. Soon after Conception, ſome Fellows who travel the Country, with a *Bear* and a *Monkey*, placed themſelves before the Woman's Door, in order to make Diverſion for the Populace. The *Monkey* had a Hood on, which reached to his Shoulders, of which the Woman took prodigious Notice; and all the time the *Monkey* was playing his Tricks, in turning over a Stick, *&c.* the Woman could not keep her Eyes off from him. Some ſmall time after, the Woman met a Man of a thin, pale, diſmal Aſpect, upon whom ſhe looked very earneſtly, and thought his Face to be (to a Tittle) like the *Monkey's* Face. When the Woman was quick with Child, and the *Fœtus* began to move, the Woman felt it turn over

and

Philos. Trans. N.o 462. TAB. I.

Fig. 1.

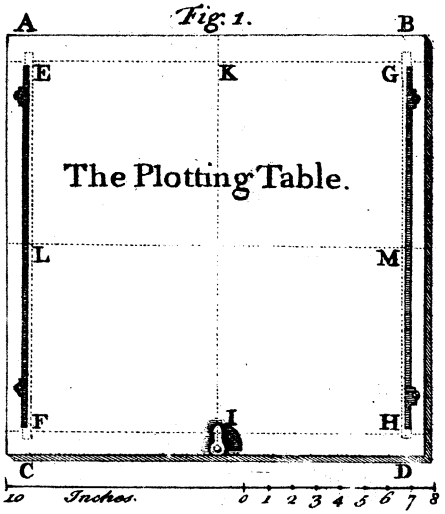


Fig. 2.

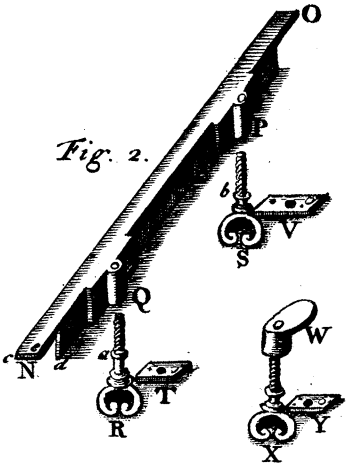


Fig. 6.

Fig. 3. General Map

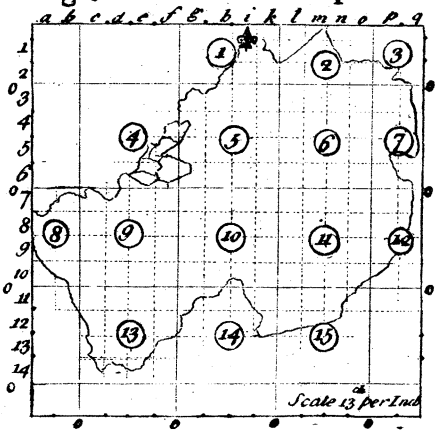
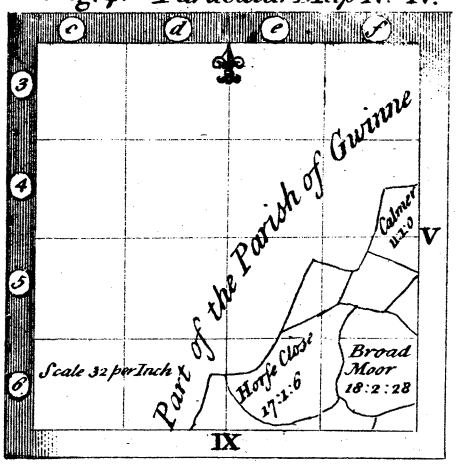
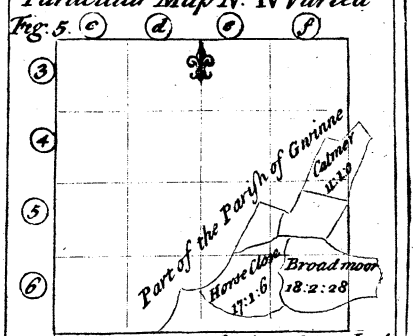


Fig. 4. Particular Map N.o IV.



Particular Map N.o IV Varied

Fig. 5.



Henry Beighton F.R.S. inv.& delin 1721.

J. Mynde Sc